

NAVAL TECHNICAL TRAINING COMMAND

SCHEMATIC DIAGRAMS

DEVICE 8H7

ADVANCED FIRST TERM AVIONICS COURSE

CNTT-M607 (Rev. 11/84)

NAVAL AIR TECHNIC
NAVAL AIR STATION MEN

For Training

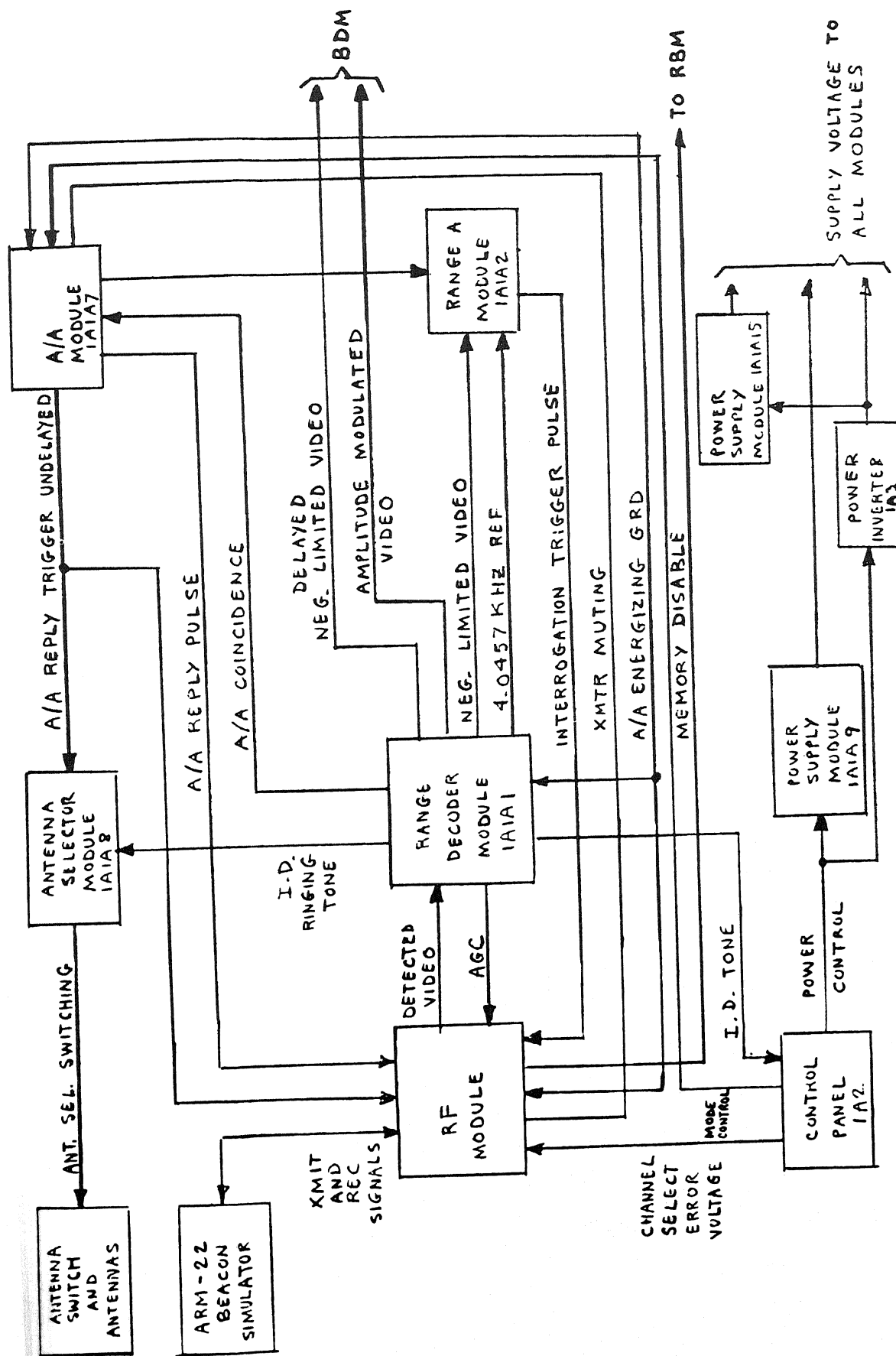
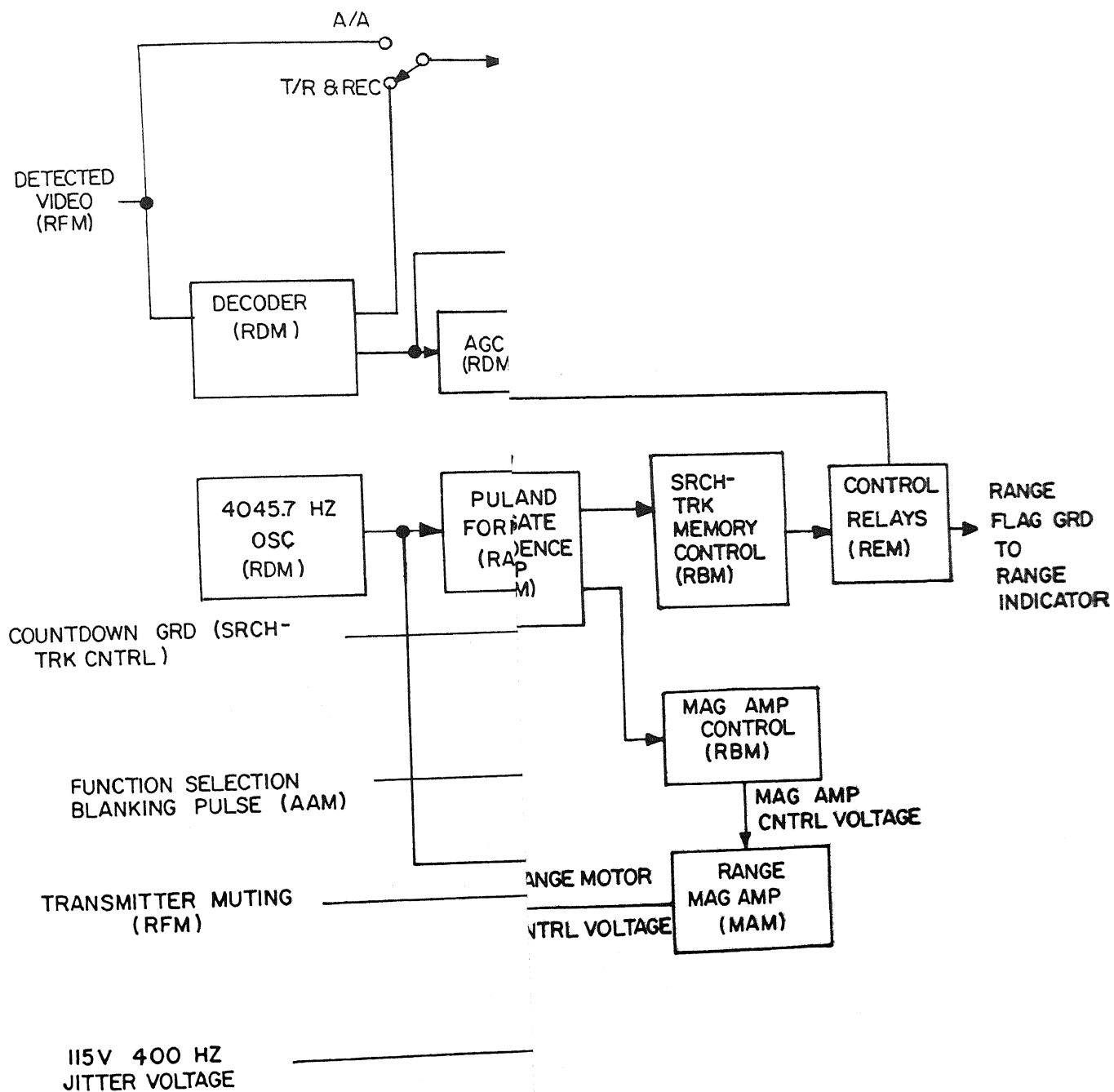


Figure 4-2. Receive-Transmit Function, Block Diagram



1. Ranging System, Simplified Block Diagram

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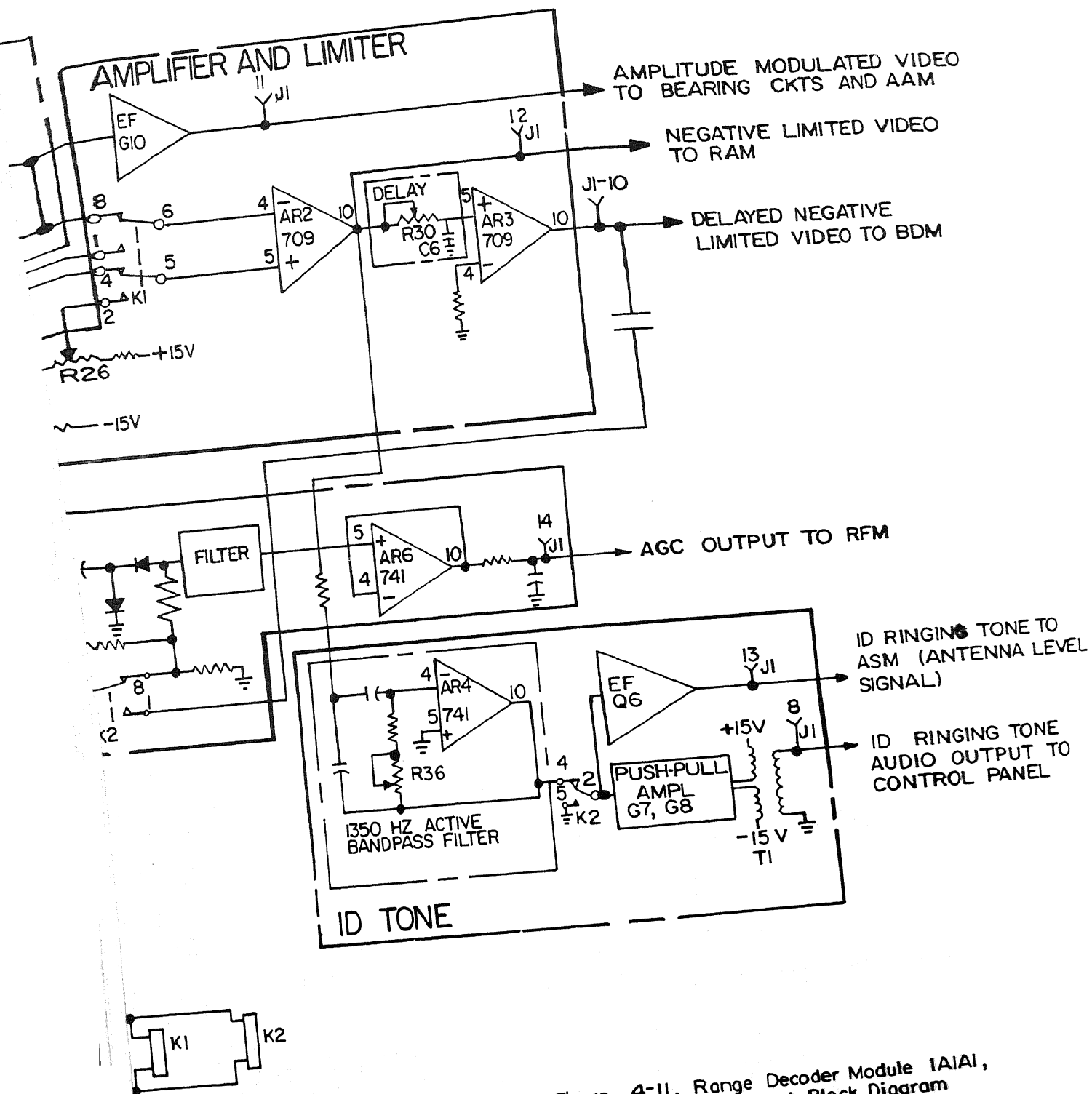
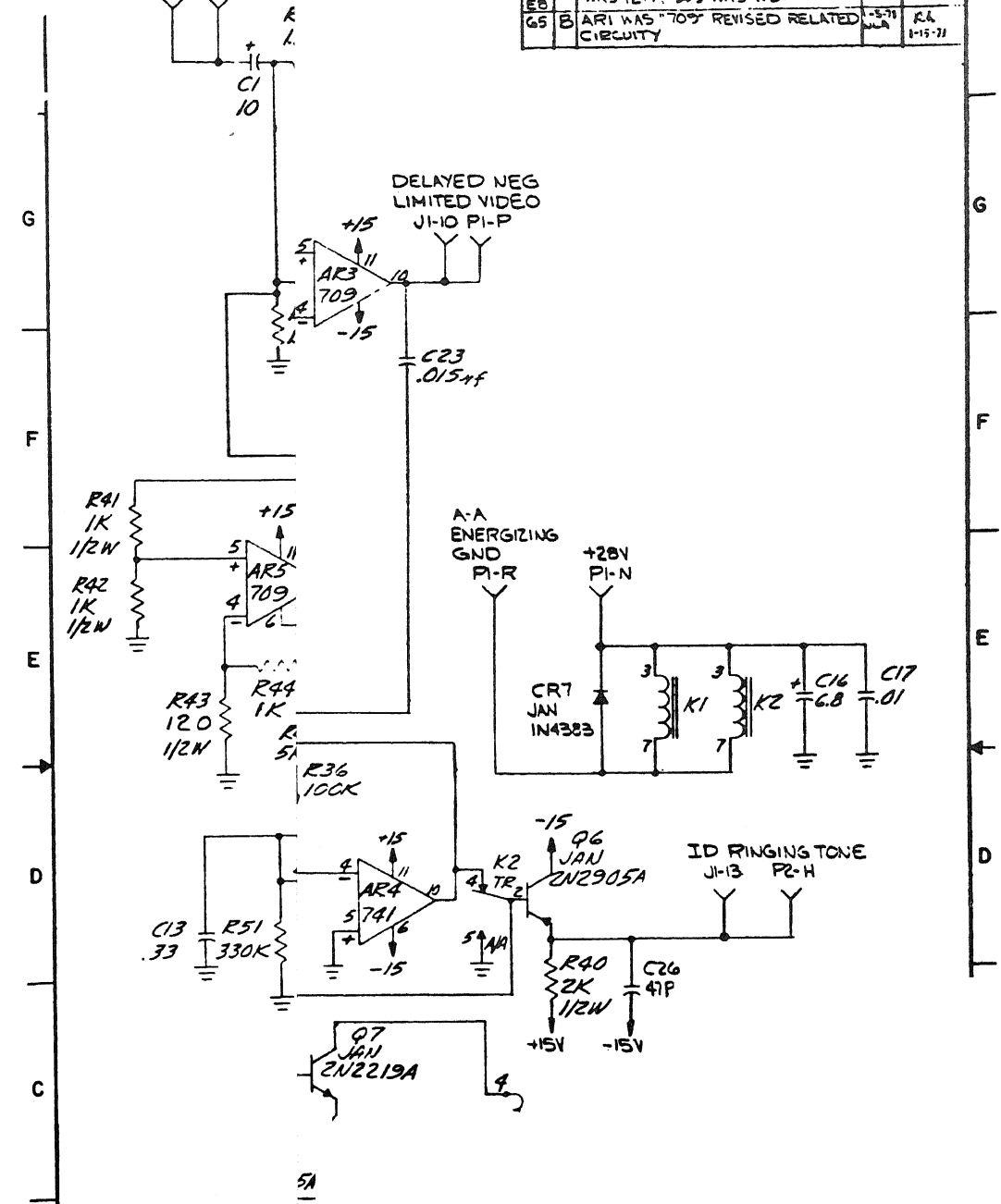


Figure 4-11. Range Decoder Module 1A1A1, Functional Block Diagram

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4

		REVISIONS		DATE	APPROVED
ZONE	LTR	DESCRIPTION			
C2	A	ADDED C26, C6 WAS .0033, C10 WAS .01, C415 .22, R33 WAS 220, R38 WAS 12M, R48 WAS 12M, R49 WAS 1.5M		1-15-71	RL
G5	B	ARI WAS "70" REVISD RELATED CIRCUITY		1-15-71	RL



NOTES:
 1. UNLESS OTHERWISE SPECIFIED
 FOR RESISTOR
 OR MICROFARAD
 - 1/4 WATT, 5%
 2. ALL REFERENCES
 FOR COMPLETE

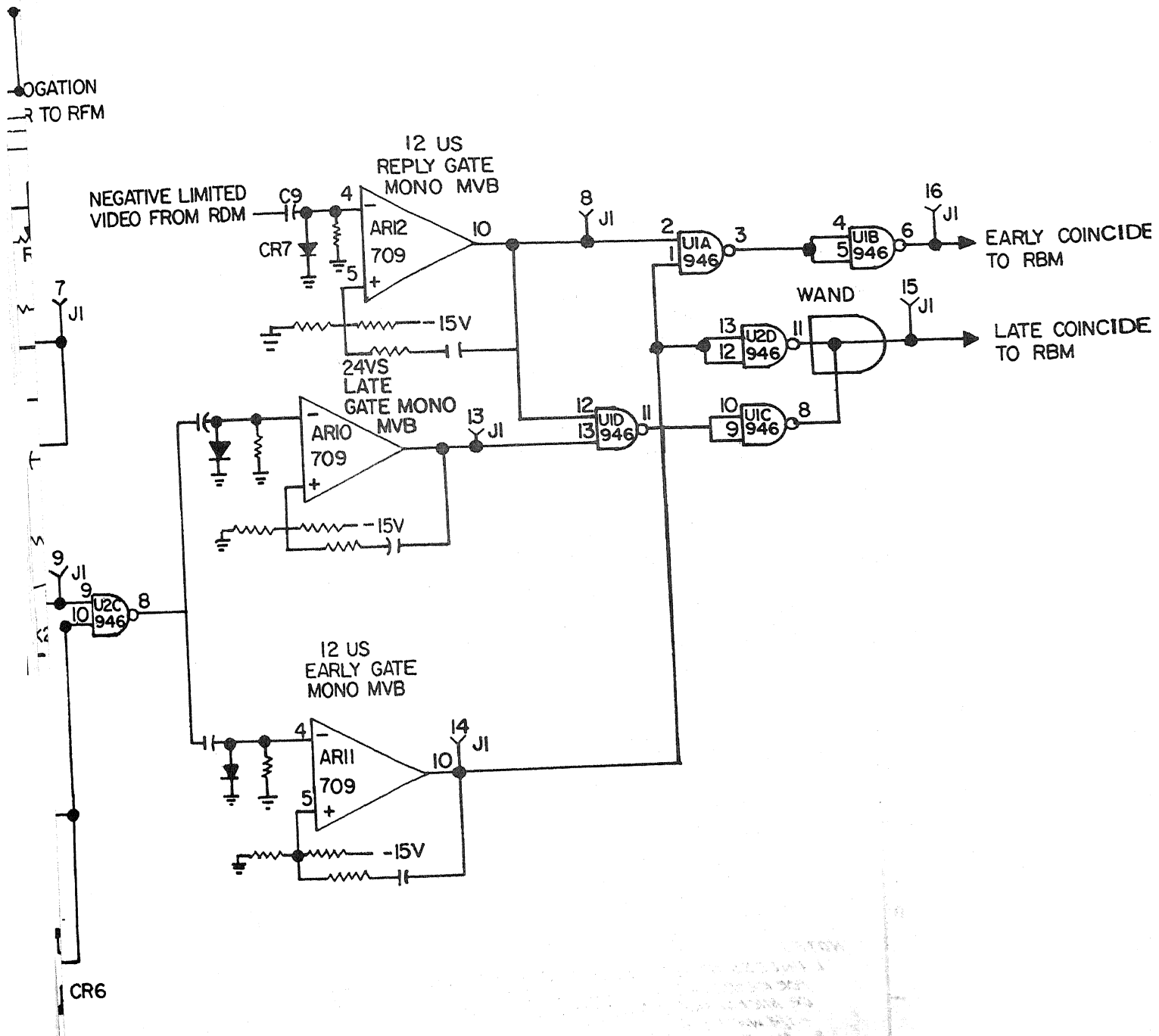
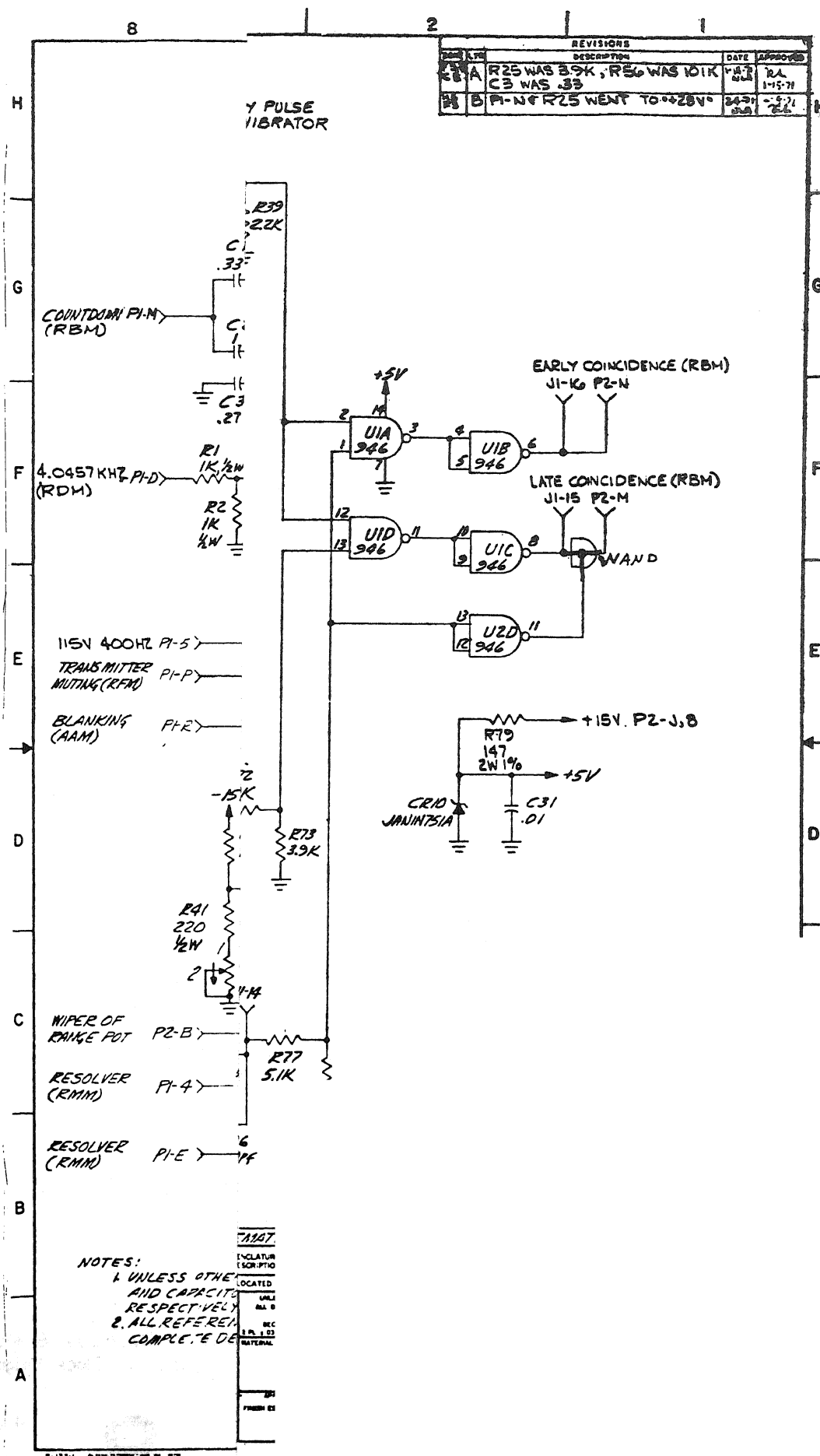


Figure 4-12. Range A Module 1A1A2, Functional Block Diagram



RELAY SWITCHING LOGIC

RELAY	SEARCH	LATE	TRACK	MEMORY
K2	ON	ON	OFF	ON
K1 K3, K4	ON	OFF	OFF	OFF
K5, K6	OFF	ON	ON	ON

NOTE: ALL RELAYS SHOWN IN OFF (DEENERGIZED) POSITION.

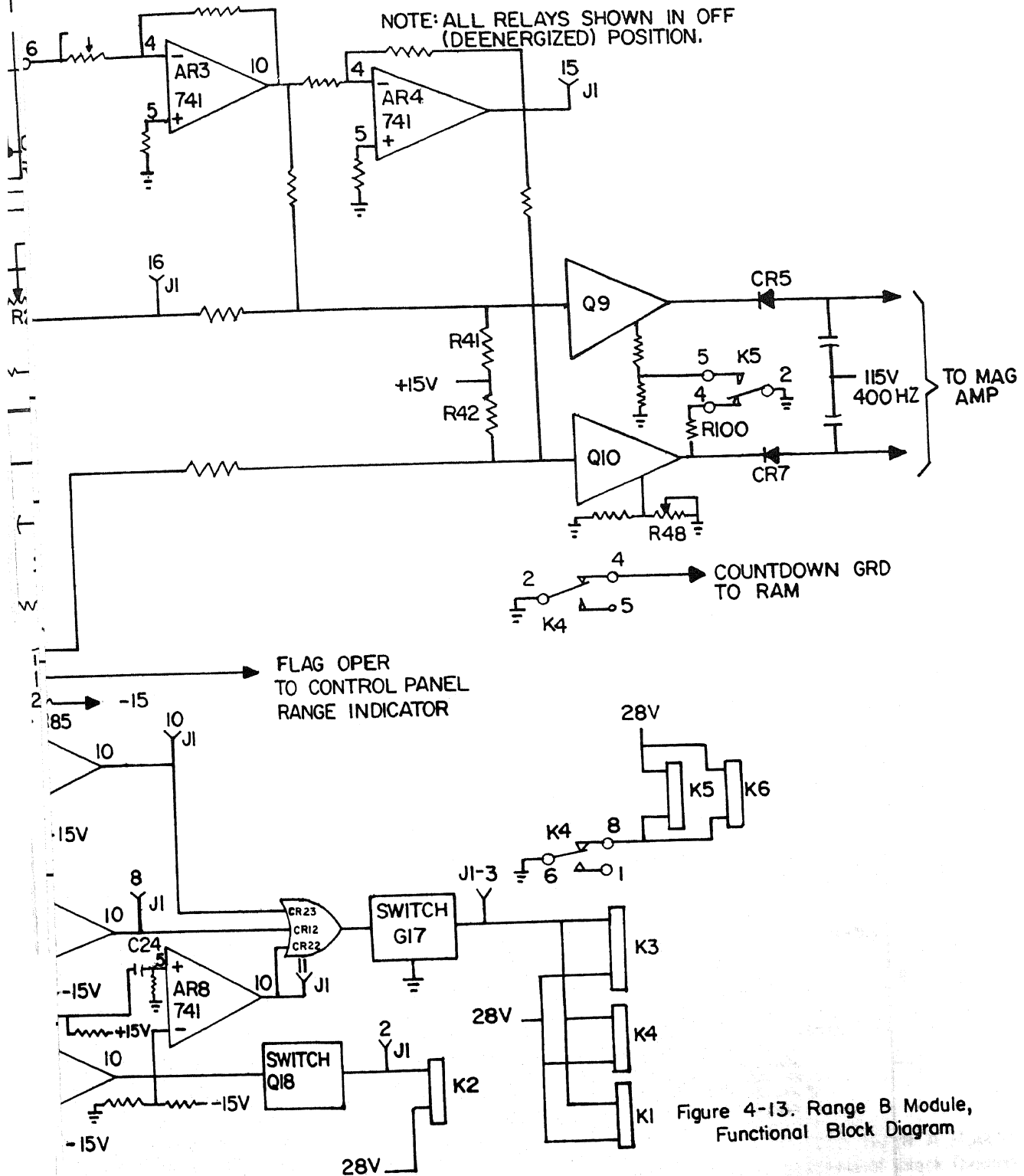
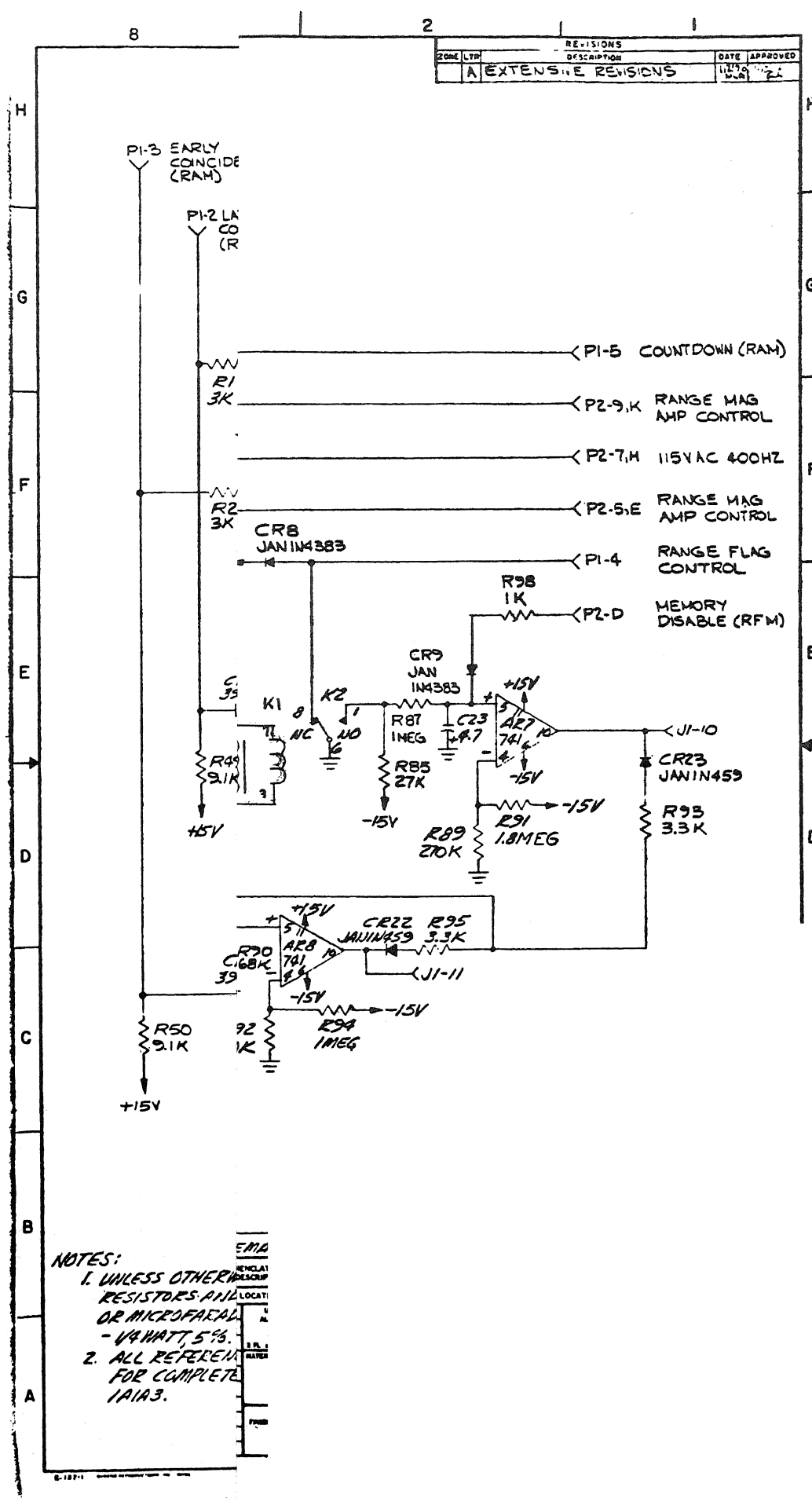


Figure 4-13. Range B Module, Functional Block Diagram



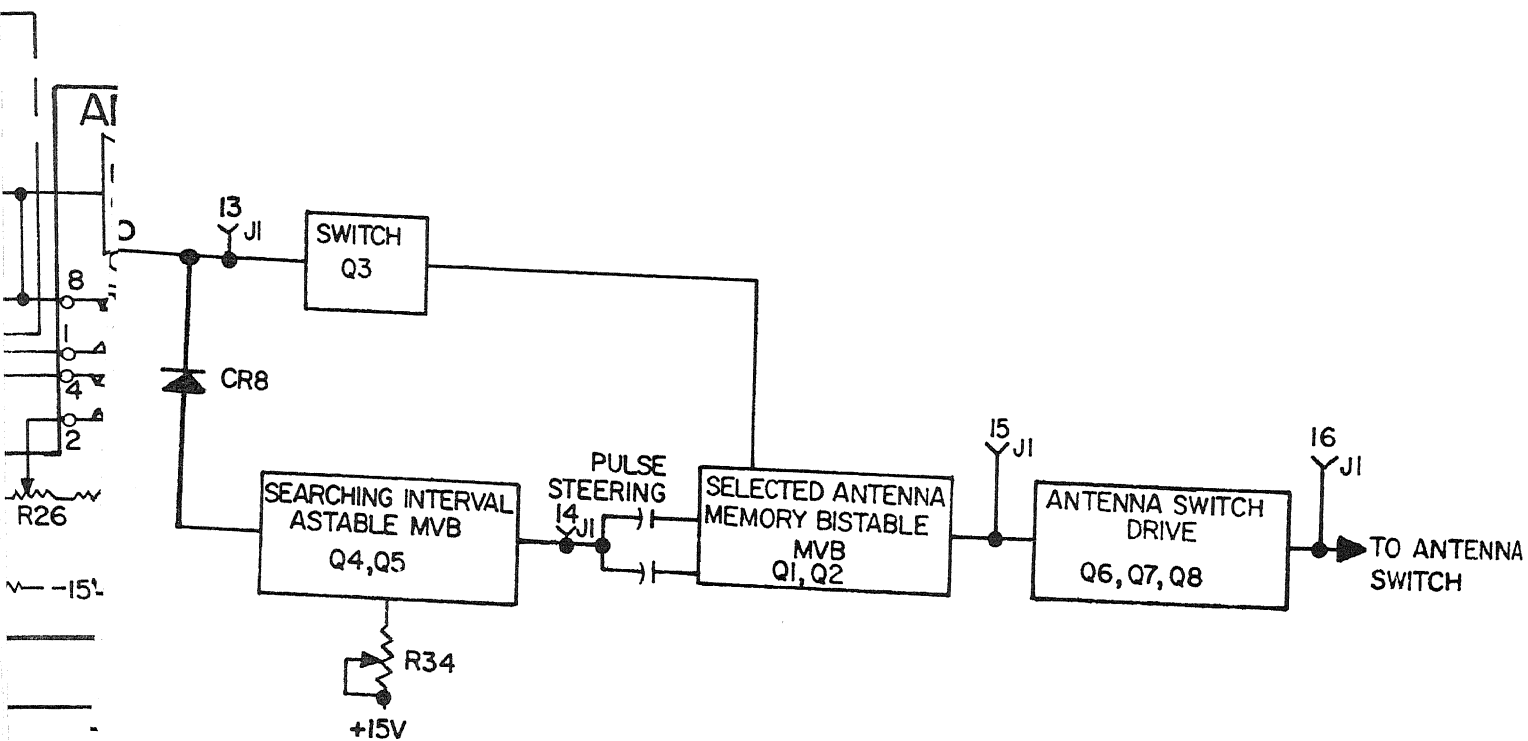
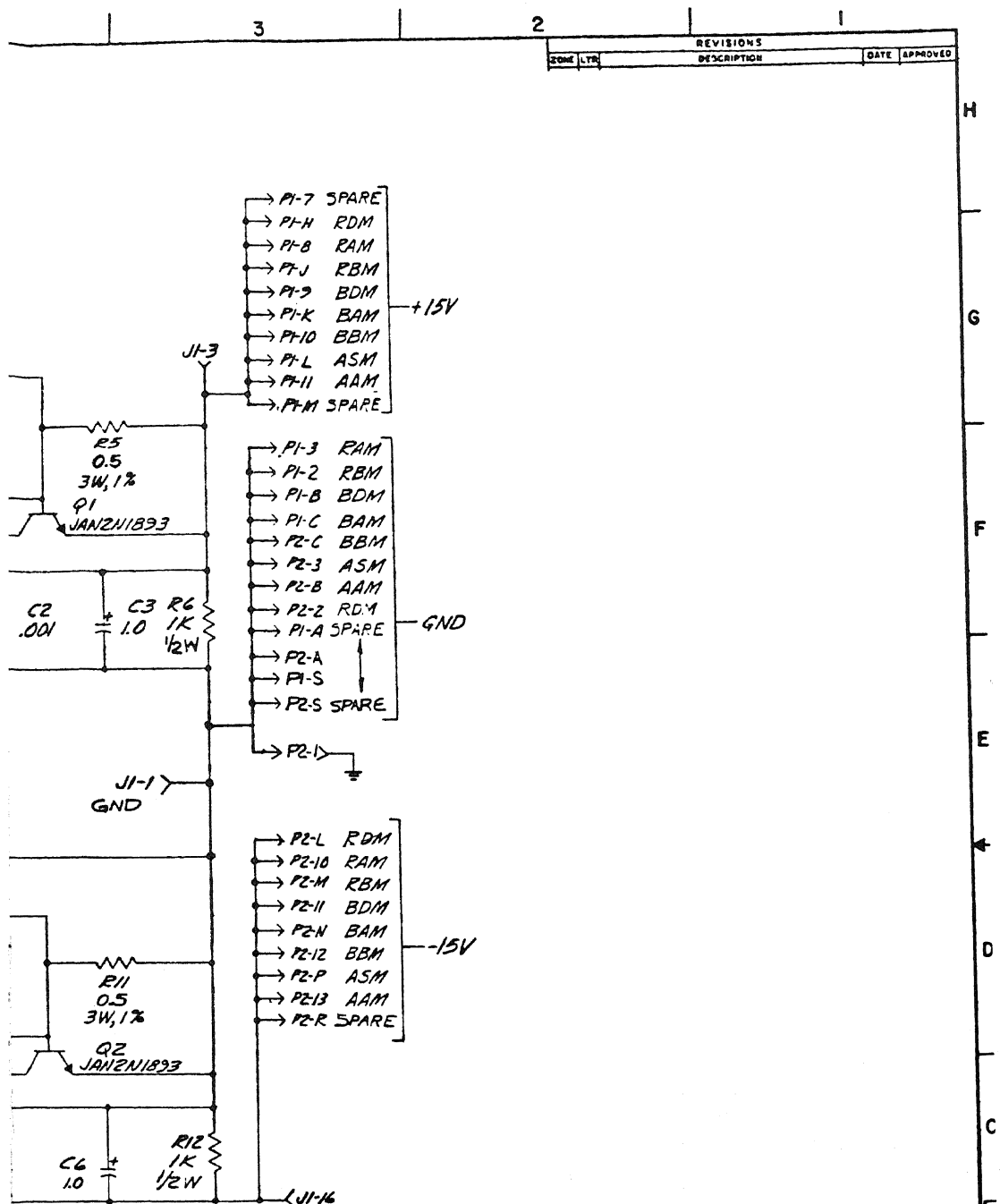


Figure 4-9. Antenna Selector Module IAIA8, Functional Block Diagram



776850C83109		SCHEMATIC		CONTRACT NO. 776850C83109		NAVAL TRAINING DEVICE CENTER	
QTY REQD	PART OR IDENTIFYING NO	ITEM NO	CODE	DESCRIPTION	QUANTITY	DATE	ZONE
PART NUMBER MARKING PER MIL-STD-130 LOCATED				LIST OF MATERIALS DO NOT SCALE DRAWING HOLE TOLERANCE PER ANSI B3.1			
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONS				HYDROSYSTEMS, INC. FARMINGDALE, L.I., N.Y.			
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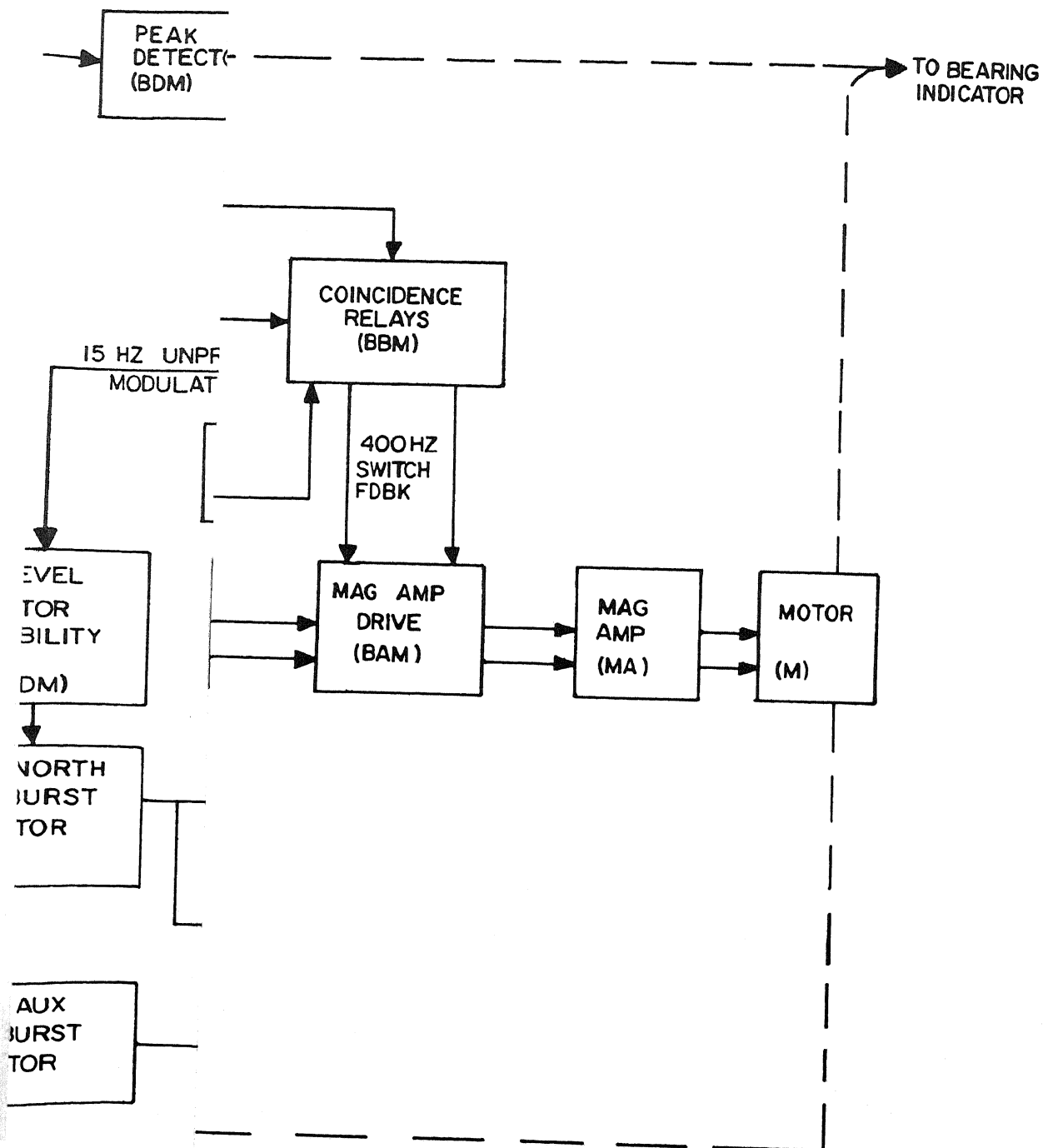
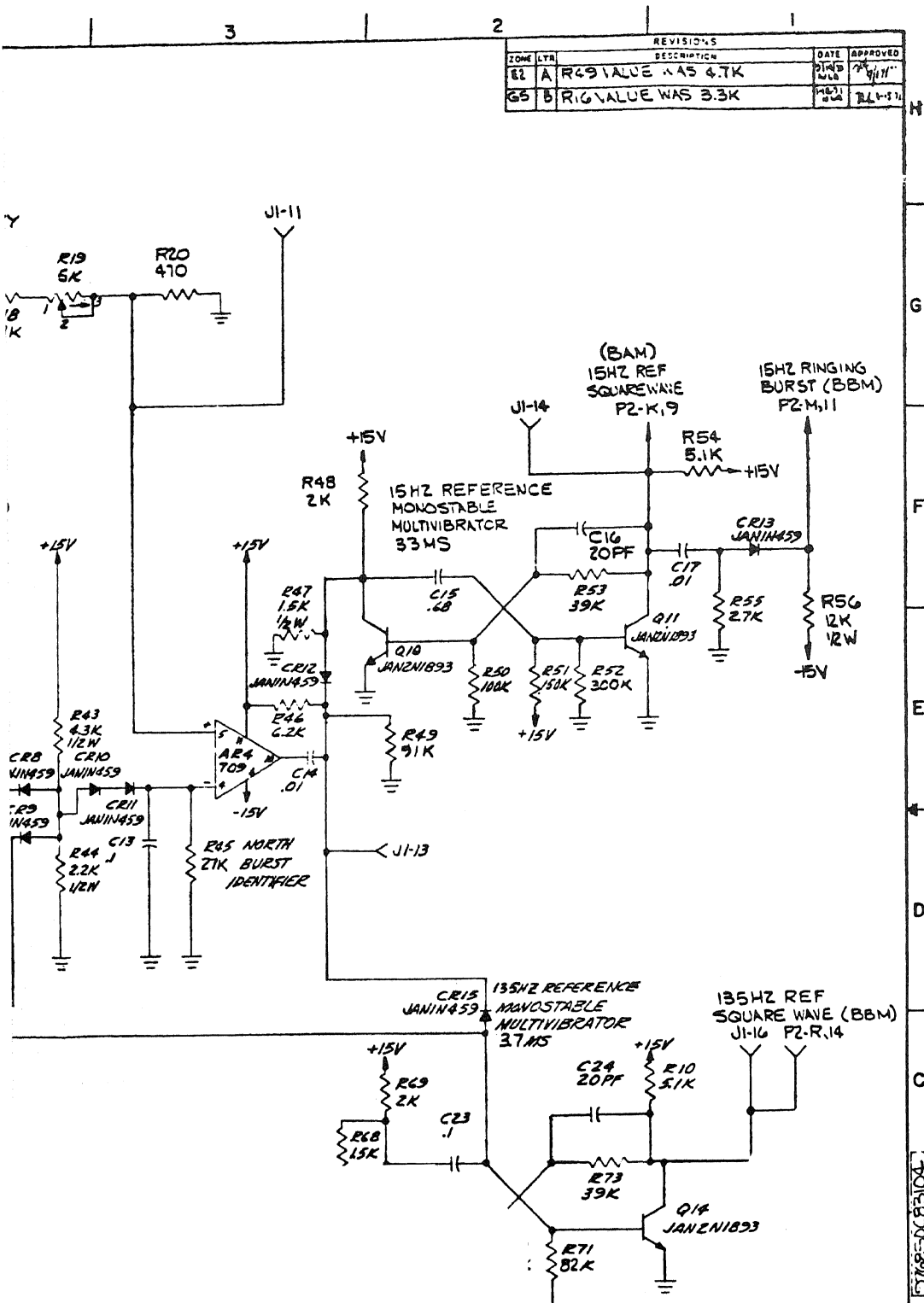


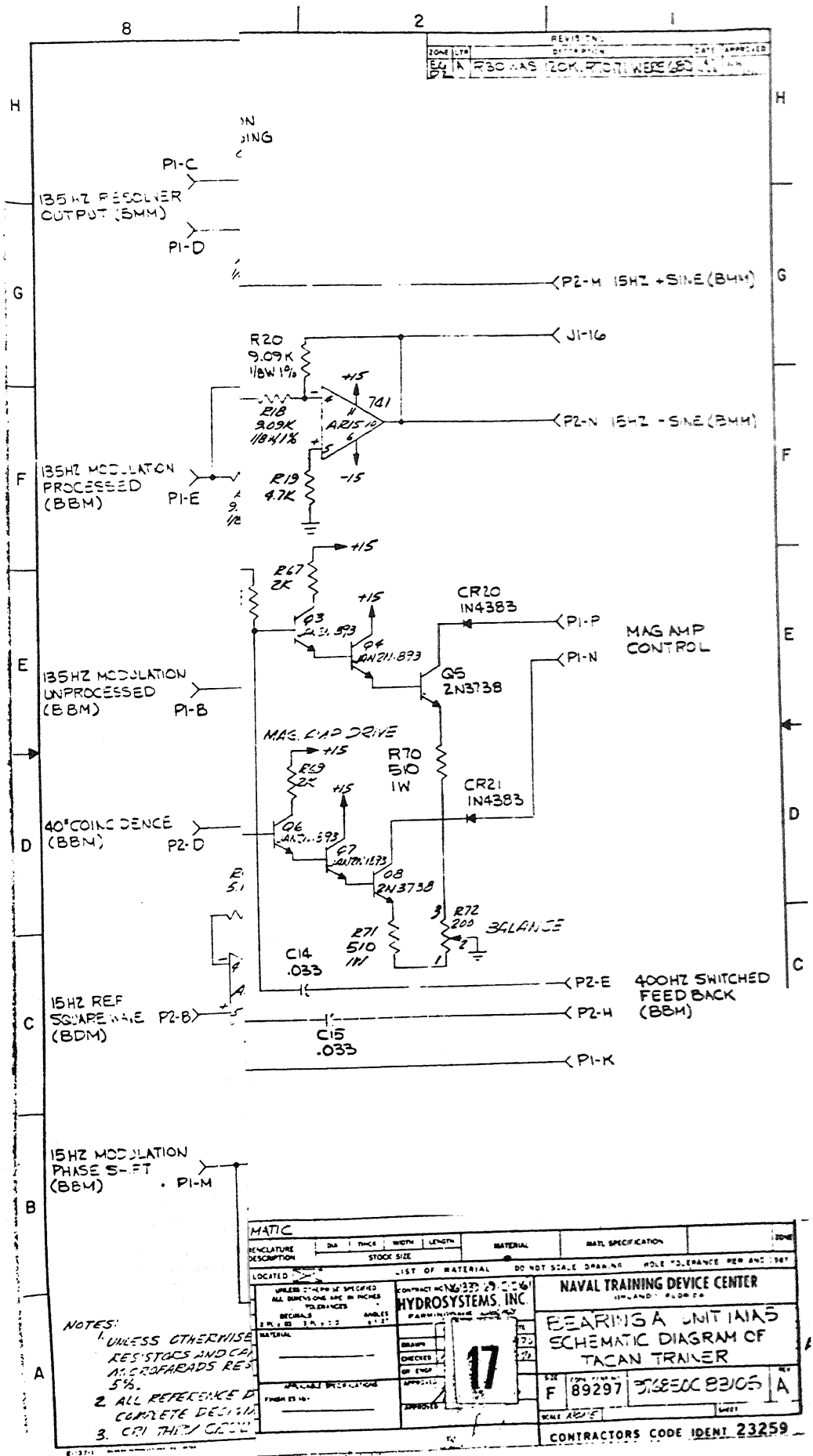
Figure 4-16. Bearing Subsystem, Functionfctional Block Diagram

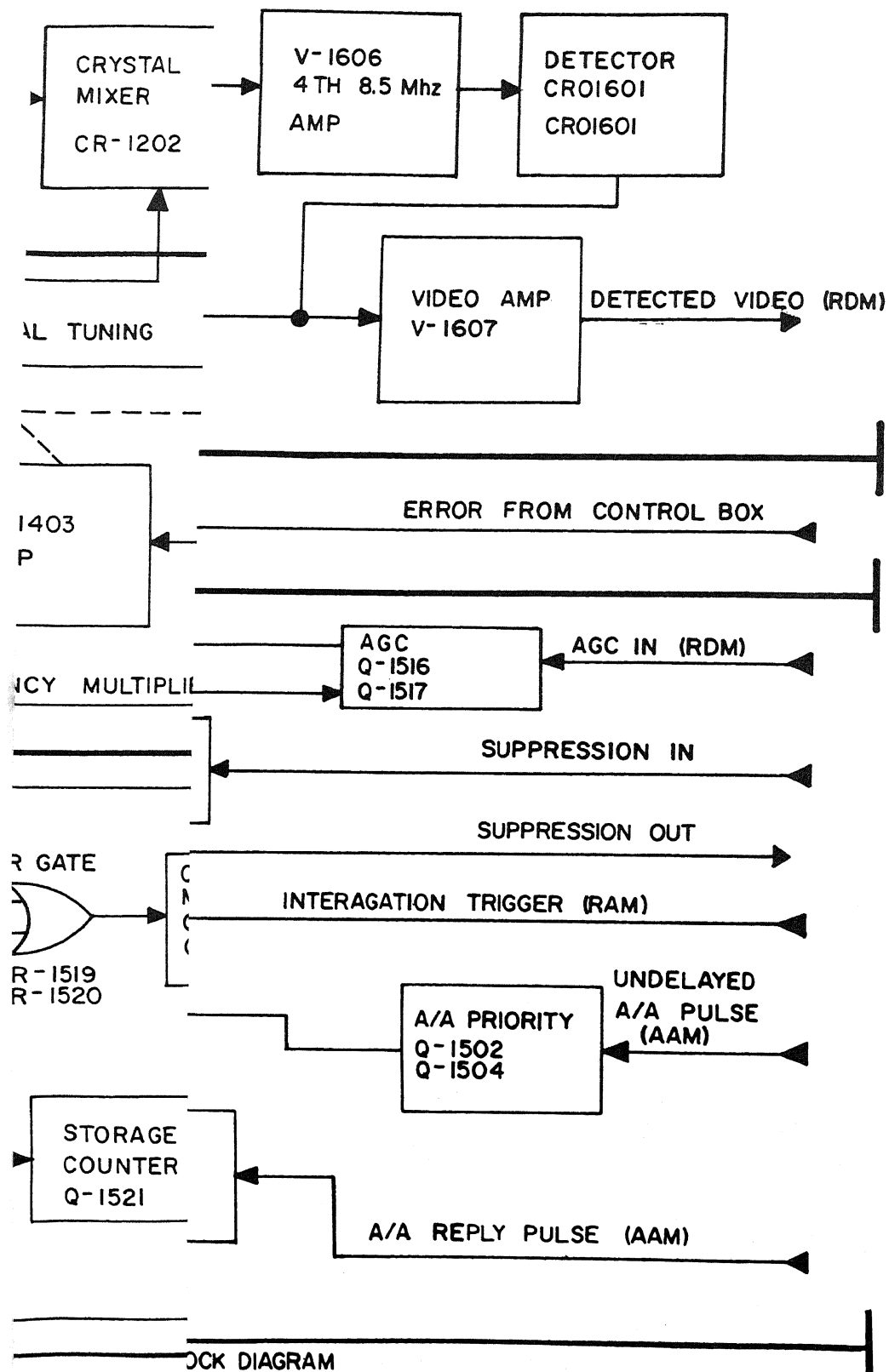
4-61



REVISIONS			
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65	B	R16 VALUE WAS 3.3K	2/14/59

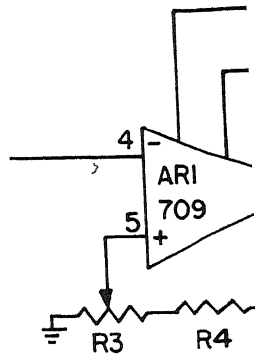
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HOLE TOLERANCE PER ANSI 387					
COG INC. NAVAL TRAINING DEVICE CENTER ORLANDO, FLORIDA					
BEARING DECODER UNIT 1A1A4 SCHEMATIC DIAGRAM OF TACAN TRAINER					
F 89297		376850C83104		B	
CONTRACTORS CODE IDENT 23259					





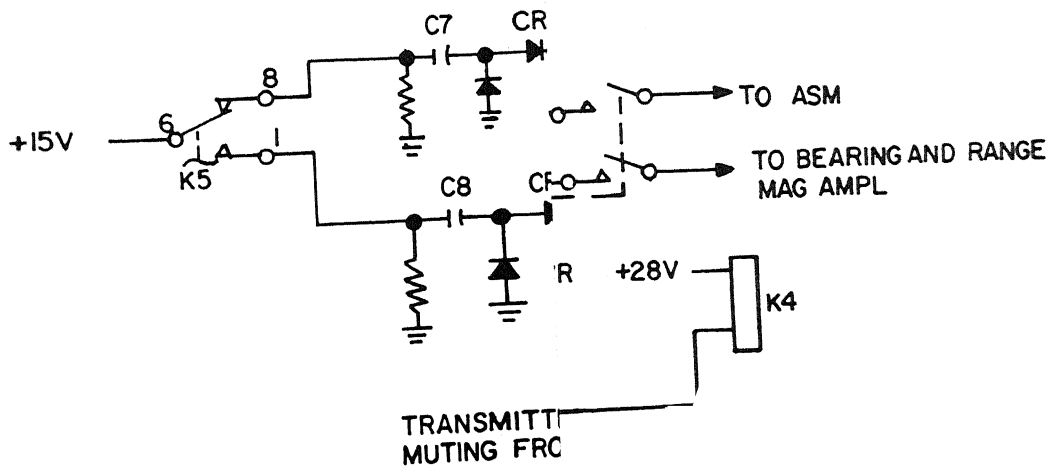
A/A THRESHOLD AMPLIFIER

A/A COINCIDENCE
(AMPLITUDE MODULATED
VIDEO) FROM RDM)



MOTOR AND TACH

BLANKING₂ TO RFM



1

ZONE	TR	REVISION	DESCRIPTION	DATE APPROVED
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CONTRACTORS CODE IDENT 23259